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Total Number of Pages in This Submission

Application Number 10/719,662

Filing Date November 21, 2003

First Named Inventor Sonia Vadrucci

Art Unit 1635

Examiner Name Richard A. Schnizer

Attorney Docket Number 58572-002

ENCLOSURES (Check all that apply)

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Remarks

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm Name	PROSKAUER ROSE LLP		
Signature			
Printed name	Rebekka C. Noll		
Date	January 22, 2007	Reg. No.	46,962

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Typed or printed name	Rebekka C. Noll	Date	January 22, 2007

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Application No. 10/719,662
Attorney Docket No. 58572-002

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of:

Sonia Vadrucci et al.

Application No.: 10/719,662

Filed: November 21, 2003

For: HIGH-EFFICIENCY FUSOGENIC
VESICLES, METHODS OF PRODUCING
THEM, AND PHARMACEUTICAL
COMPOSITIONS CONTAINING THEM

Group Art Unit: 1635

Examiner: Richard A. Schnizer

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

In accordance with 37 CFR §§1.97 and 1.98, the items identified in this Information Disclosure Statement ("IDS") are brought to the attention of the Office. The items are listed on the attached form PTO/SB/08a.

The items identified in this IDS may or may not be "material" pursuant to 37 CFR §1.56. The submission thereof by Applicant is not to be construed as an admission that any such patent, publication or other information referred to therein is material or considered to be material (37 CFR §1.97(h)), or even qualifies as "prior art" under 35 USC § 102 with respect to this invention unless specifically designated by Applicant as such.

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Information Disclosure Statement Filing Provision:

☐ This IDS is believed to be timely in that it is being submitted under 37 CFR § 1.97(b), that is (1) within three months of the filing date of the application, which is not a continued prosecution application filed under § 1.53(d); or (2) within three months of entry of the national stage as set forth in 37 CFR § 1.491; or (3) before the mailing of a first Office action on the merits; or (4) before the mailing of a first Office action after filing a request for continued examination under § 1.114. Thus, no fee is required.

☐ However, if the undersigned is in error in this regard, Applicant respectfully requests that the Office consider this IDS as filed under 37 CFR § 1.97(c), if applicable, and charge the fee due under 37 CFR §1.17(p) to the deposit account referenced below.

☐ However, if the undersigned is in error in this regard, Applicant respectfully requests that the Office consider this IDS as filed under 37 CFR § 1.97(c), if applicable, and a statement under 37 CFR § 1.97(e) is included below, thus no fee is required.

☒ This IDS is being submitted under 37 CFR §1.97(c), that is after mailing of a first Office action on the merits, but before a Final Action under 37 CFR §1.113 or a Notice of Allowance under 37 CFR §1.311.

☒ The fee due under 37 CFR §1.17(p) is submitted herewith.

☐ A statement under 37 CFR §1.97(e) is included below, thus no fee is required. In the event that this IDS is not received before a Final Action or a Notice of Allowance, then Applicant respectfully requests that the Office consider the filing of these papers to be submitted under 37 CFR §1.97(d) and charge the fee due under 37 CFR §1.17(p) to the deposit account below.

☐ This IDS is being submitted under 37 CFR §1.97(d), that is after a Final Action under 37 CFR §1.113 or a Notice of Allowance under 37 CFR §1.311, but before payment of the issue fee. A statement under 37 CFR §1.97(e) is included below. The fee due under 37 CFR §1.17(p) is submitted herewith.

Statement Under 37 CFR §1.97(e):

☐ Each item contained in this IDS was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this IDS.

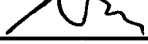
☐ No item contained in this IDS was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing this statement after making reasonable inquiry, no item of information contained in this IDS was known to any individual designated in 37 CFR §1.56(c) more than three months prior to the filing of this IDS.

Payment and/or Authorization to Charge Fees:

- ☐ A check in the amount of _____ is enclosed for the above fee(s).
- ☒ Please charge \$180.00 to Deposit Account No.16-2500 for the above fee(s).

The Commissioner is authorized to charge any fees required by the filing of these papers, and to credit any overpayment to Proskauer Rose LLP's Deposit Account No.16-2500.

Respectfully submitted,
PROSKAUER ROSE LLP
Attorneys for the Applicant(s)

By 
Rebekka C. Noll
Reg. No. 46,962

January 22, 2007

PROSKAUER ROSE LLP
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Attachment: PTO/SB/08a & b



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Substitute for form 1449/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Complete if Known

Sheet 2 of 5	Application Number	10/719,662
	Filing Date	November 21, 2003
	First Named Inventor	Sonia Vadrucchi
	Art Unit	1635
	Examiner Name	Richard A. Schnizer
	Attorney Docket Number	58572-002

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		HARTER, ET. AL., Hydrophobic Binding of the Ectodomain of Influenza Hemagglutinin to Membranes Occurs through..... 4/15/, Vol 264, No 11, pp.6459-6464,1989, Zurich Switzerland	
		ERIC H. BALL, Quantitation of Proteins by Elution of Cossmassie Brilliant Blue R from Stained Bands after Sodium Dodecyl....., 7/29/85, 155, 23-27 (1986) Canada	
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		ROMKE BRON ET AL., Preparation, Properties, and Applications of Reconstituted Influenza virus Envelopes (Virosomes), 1993, pgs. 313-331, Vol. 220Academic Press, Inc.	
		ROMKE BRON ET. AL., Cellular Cytoplasmic Delivery of a Polypeptide Toxin by Reconstituted Influenza virus Envelopes..... 1994, pgs. 9110-9117, vol 33,American Chemical Society	
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		WALTER CERHARD, The Analysis of the Monoclonal Immune Response to Influenza Virus, 1976, Vol. 144 pg. 985-995, The Journal of Experimental Medicine, Pennsylvania	
		HEZI GERSHON ET AL., Mode of Formation and Structural Features of DNA-Cationic Liposome....., 1993, 32,pgs. 7143-7151, The Weizmann Institute of Science, Israel	
		REINHARD GLUCK,Adjuvant activity of immunopotentiating reconstituted influenza virosomes (IRIVs),1999, pgs.1782-1787, Swiss Serum & Vaccine Institute Berne CH-3001 Switzerland	

Examiner Signature	Date Considered
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

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Sheet 3	of 5	Attorney Docket Number	58572-002

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		J. MOL. Biol, Selective Extraction of Polyoma DNA from Infected Mouse Cell Cultures, 1967, 26, pgs. 365-369	
		ENRICO MASTROBATTISTA ET AL., Targeting influenza virosomes to ovarian carcinoma cells, 3 July 2001, pgs. 71-76, Utrecht Institute for Pharmaceutical Sciences.	
		PIERRE-ALAIN MONNARD, ET AL. Entrapment of nucleic acids in liposomes, February 24, 1997, pgs 39-50, Zurich Switzerland	
		ISABEL NUNES-CORREIA ET AL., Interactions of Influenza virus with Cultured Cells: Detailed Kinetic Modeling of Binding.....,1999, pgs. 1095-1101, American Chemical Society	
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		HERMANN SCHAGGER ET. AL., Tricine-Sodium Dodecyl Sulfate-Polyacrylamide Gel Electrophoresis for the Seperation of Proteins in the Range from.....,1987, pgs.368-379, Germany	
		PIETER SCHOEN, ET AL., Delivery of Foreign Substances to Cells Mediated By Fusion-Active Reconstituted.....,1993, pgs. 767-792, Journal of Liposome Research, The Netherlands	
		TAKEHIRO SERIKAWA, ET.AL., A new cationic liposome for efficient gene delivery with serum into cultured....., 2000 pgs. 419-430, Dept. of Biochemistry and Cell Biology, Japan	
		TONG SHANGGUAN ET AL., Influenza Virus-Liposome Lipid Mixing is Leaky and Largely Insensitive....., 1996, pgs. 4956-4965, Dept. of Bioscience and Biotechnology, Pennsylvania	
		JOHN J. SKEHEL, ET. AL., The Polypeptide Composition of Influenza A Viruses, 1971, pgs. 396-408, National Institute for Medical Research, Mill Hill, London N.W. 7. England	

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4

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		THEODORE L. STECK ET. AL., Preparation of Impermeable Ghosts and Inside-out Vesicles from Human Erythrocyte Membranes, 1970, pgs. 172-181,	
		TOON STEGMANN, Membrane Fusion Mechanisms: The Influenza Hemagglutinin Paradigm and its Implications for....., 2000 pgs. 598-604, Munksguard International Publishers	
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		ANDREAS WAGNER, ET.AL., Enhanced Protein Loading Into Liposomes by the Multiple Crossflow Injection Technique, 2002, Vol. 12, No. 3 pp. 271-283, Journal of Liposome Research	
		JOSEPH ZABNER, Cellular and Molecular Barriers to Gene Transfer by a Cationic Lipid, The Journal of Biological Chemistry, 1995 pgs. 18997-19007 Vol. 270, No. 32, Iowa City, Iowa	
		RINALDO ZURBRIGGEN, ET.AL., IRIV-adjuvanted hepatitis A Vaccine: in vivo absorption and biophysical characterization, 2000, Progress in Lipid Research 39 pgs. 3-18 Switzerland	
		PETER DURRER, ET. AL., H+induced Membrane Insertion of Influenza Virus....., The Journal of Biological Chemistry, 1996, vol. 271. No. 23 pgs. 13417-1342, Basel, Switzerland	
		THOMAS KORTE, ET. AL., Transient Changes of the Conformation of Hemagglutinin of...., Journal of Biological Chemistry Vol. 272, No. 15, pgs. 9764-9770, 1997, Berlin Germany	
		THOMAS KORTE, ET. AL., Conformational Intermediates and Fusion Activity of, Journal of Virology, June 1999, Vol. 73 No. 6 p. 4567-4574, Bethesda, Maryland	

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5

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		MICHAEL M. KOZLOV, ET. AL., A Mechanism of Protein-Mediated Fusion: Coupling between Refolding of....., Biophysical Journal Vol. 75 1998 pgs. 1384-1396, Bethesda, Maryland	
		ANU PURI, ET.AL., Conformational Changes and Fusion Activity of Influenza Virus Hemagglutinin....., Journal of Virology, 1990 Vol. 64, No. 8, pgs. 3824-3832, San Francisco, CA	
		HUI QIAO, ET.AL., Specific Single or Double Proline Substitutions in the.....The Journal of Cell Biology, Vol. 141, No. 6, 1998, pgs. 1335-1347, San Francisco, CA	
		TOON STEGMANN, ET.AL., Effects of Low pH on Influenza Virus, The Journal of Biological Chemistry, 1987, vol. 262, No. 36, pgs. 17744-17749, The Netherlands	
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		TOON STEGMANN, ET.AL., Functional reconstitution of influenza virus envelopes, The EMBO Journal vol. 6 no. 9 pgs. 2651-2659, 1987, The Netherlands	
		TOON STEGMANN, ET.AL., Intermediates in influenza induced membrand fusion, The EMBO Journal vol.9 no.13 pgs. 4231-4241, 1990, San Francisco, CA	

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